ABSTRACT

A job scheduling device providing a consistent
5   set of application programming interfaces (APIs)
compiled and linked into an individual or suite of
programs to provide scheduling services on a single
computer or across multiple computing platforms,
includes a GUI API for retrieving and validated job
10   parameters, a job scheduling API for allocating jobs
based on the job parameters, and an enterprise
scheduling agent hosted on one or more nodes of the
computer platforms. An enterprise communication
agent sends messages containing jobs from a computer
15   executing a program utilizing the job scheduling
device to the enterprise scheduling agent on a
selected node where the job is to execute. Then, the
enterprise scheduling agent retrieves job parameters
and launches the job on the selected node. The
20   enterprise scheduling agent maintains a local job
repository containing job information for each job
run on its corresponding node and sends messages to a
job data management API to maintain a central job
repository containing information on jobs executed on
25   all nodes.